

Amendments to the Claims

1. *(Currently Amended)* A mobile communication apparatus (~~120, 200~~) comprising a receiver (~~203~~), a derotator (~~206, 300, 400~~), a demodulator (~~208~~) and a processor (~~212~~), wherein said receiver (~~203~~) is connected to said derotator (~~206, 300, 400~~), said derotator (~~206, 300, 400~~) is connected to said demodulator (~~208~~), and said controller (~~212~~) is connected to said receiver (~~203~~), derotator (~~206, 300, 400~~) and demodulator (~~208~~), wherein said derotator (~~206, 300, 400~~) comprises

- a first means (~~402, 500~~) for processing Primary Common Control Physical Channel during Space Time coding based Transmit Diversity transmission mode;
- a second means (~~406, 600~~) for processing pilot symbols;
- a third means (~~408, 700~~) for processing symbols during closed loop transmission modes; and
- a fourth means (~~410, 800, 900~~) for outputting symbols to said demodulator in a temporal ordered sequence,

wherein said first, second, third and fourth means (~~402, 500, 406, 600, 408, 700, 410, 800, 900~~) are connected in series.

2. *(Currently Amended)* A Mobile communication apparatus (~~120, 200~~) according to claim 1, wherein said first means (~~402, 500~~) is transparent to symbols other than symbols related to Primary Common Control Physical Channel during Space Time coding based Transmit Diversity transmission mode.

3. *(Currently Amended)* A Mobile communication apparatus (~~120, 200~~) according to ~~claim 1~~ or claim 1, wherein said first means (~~402, 500~~) is arranged to delete a first symbol related to Primary Common Control Physical Channel of every slot during Space Time coding based Transmit Diversity transmission mode.

4. *(Currently Amended)* A Mobile communication apparatus (~~120, 200~~) according to ~~any of claim 1-3~~ claim 1, wherein said second means (~~406, 600~~) is transparent to other symbols than pilot symbols.

5. *(Currently Amended)* A Mobile communication apparatus ~~(120, 200)~~ according to ~~any of claim 1-4~~claim 1, wherein said third means ~~(408, 700)~~ is transparent during other transmission modes than closed loop transmission modes.

6. *(Currently Amended)* A Mobile communication apparatus according to ~~any one of claims 1-5~~claim 1, wherein said derotator comprises a plurality of two-position switches ~~(504, 510, 608, 612, 616, 702, 704, 706, 708, 710, 712, 716, 802, 804, 806, 808, 810, 812, 814, 816, 902, 904, 908, 910, 912, 914, 918)~~.

7. *(Currently Amended)* A method for derotation of received symbols in a mobile communication apparatus, the method comprising the steps of:
processing Primary Common Control Physical Channel ~~(1002)~~ during Space Time coding based Transmit Diversity transmission mode;
processing pilot symbols ~~(1004)~~;
processing symbols ~~(1006)~~ during closed loop transmission modes; and
outputting symbols ~~(1008)~~ in a temporal ordered sequence.

8. *(Currently Amended)* A Method according to claim 7, wherein said step of processing Primary Common Control Physical Channel ~~(1002)~~ during Space Time coding based Transmit Diversity transmission mode comprises deleting a first symbol ~~(1104)~~ related to Primary Common Control Physical Channel of every slot during Space Time coding based Transmit Diversity transmission mode.

9. *(Currently Amended)* A Method according to ~~claim 7 or 8~~claim 7, wherein said step of processing pilot symbols ~~(1004)~~ comprises processing a compressed mode by the steps of:
summing two pilot symbols; and
dividing the sum of said two pilot symbols by two.

10. *(Currently Amended)* A Method according to ~~any of claim 7-9~~claim 7, wherein said step of outputting symbols ~~(1008)~~ comprises dividing the symbols by two when transmit diversity is present.